

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/525,273

Source: PUT

Date Processed by STIC: 3/14/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/14/2006

PATENT APPLICATION: US/10/525,273

TIME: 10:59:16

Input Set : A:\211080023U2.txt

Output Set: N:\CRF4\03142006\J525273.raw

```

4 <110> APPLICANT: Maquat, Lynne E.
7 <120> TITLE OF INVENTION: NONSENSE-MEDIATED MRNA DECAY
10 <130> FILE REFERENCE: 21108.0023U2
12 <140> CURRENT APPLICATION NUMBER: 10/525,273
13 <141> CURRENT FILING DATE: 2005-02-22
15 <150> PRIOR APPLICATION NUMBER: PCT/US03/26166
16 <151> PRIOR FILING DATE: 2003-08-21
18 <150> PRIOR APPLICATION NUMBER: 60/405,602
19 <151> PRIOR FILING DATE: 2002-08-22
21 <160> NUMBER OF SEQ ID NOS: 3
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 20
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
32     synthetic construct
34 <400> SEQUENCE: 1
35 gcctattggt ctattttccc                                20
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 18
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
44     synthetic construct
46 <400> SEQUENCE: 2
47 cctgaagttc tcaggatc                                18
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 32
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
56     synthetic construct
58 <400> SEQUENCE: 3
59 atctggcacc acaccttcta caatgagctg cg                32
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 32
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:

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```

67 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
68     synthetic construct
70 <400> SEQUENCE: 4
71 cgtcatactc ctgcttgctg atccacatct gc                               32
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 19
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
80     synthetic construct
82 <400> SEQUENCE: 5
83 tgcaaggagt ttcatactg                               19
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 21
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
92     synthetic construct
94 <400> SEQUENCE: 6
95 agaatacagta gtttaacaca c                               21
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 22
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
104     synthetic construct
106 <400> SEQUENCE: 7
107 tgagcatagt tattaatagc ag                               22
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 77
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
116     synthetic construct
118 <400> SEQUENCE: 8
119 gctagctcga gaccgggtgcc accatggact acaaagacga tgacgacaag gcggaagggc   60
120 tggagcgtgt gcggatc                               77
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 43
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
129     synthetic construct
131 <400> SEQUENCE: 9

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132 tttaaaccgc gcctgcgggg ccagagtagc caggatcccc cgc 43
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 18
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
141     synthetic construct
143 <400> SEQUENCE: 10
144 tgaccttcag cgcctcgg 18
146 <210> SEQ ID NO: 11
147 <211> LENGTH: 17
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
153     synthetic construct
155 <400> SEQUENCE: 11
156 ctccgagtcg ctctgcc 17
158 <210> SEQ ID NO: 12
159 <211> LENGTH: 19
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
165     synthetic construct
167 <400> SEQUENCE: 12
168 ggcaaaggct ctgagaagc 19
170 <210> SEQ ID NO: 13
171 <211> LENGTH: 17
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
177     synthetic construct
179 <400> SEQUENCE: 13
180 ccgaggtccc aaaggcgc 17
182 <210> SEQ ID NO: 14
183 <211> LENGTH: 39
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
189     synthetic construct
191 <400> SEQUENCE: 14
192 atcgaagatc tggatccaag gtcgggcagg agagggcct 39
194 <210> SEQ ID NO: 15
195 <211> LENGTH: 59
196 <212> TYPE: DNA

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197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
201     synthetic construct
203 <400> SEQUENCE: 15
204 tacacaaagc aatgtccatt acatgccacg gtgtttcgtc ctttccacaa gatataaa      59
206 <210> SEQ ID NO: 16
207 <211> LENGTH: 48
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
213     synthetic construct
215 <400> SEQUENCE: 16
216 cgaaatctag aaaaaagtgg catgtaatgg acattgccta cacaaagc      48
218 <210> SEQ ID NO: 17
219 <211> LENGTH: 21
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
225     synthetic construct
227 <400> SEQUENCE: 17
228 gcugcagcag aacaggccat t      21
230 <210> SEQ ID NO: 18
231 <211> LENGTH: 21
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
237     synthetic construct
239 <400> SEQUENCE: 18
240 guacaaccca ggauaugugt t      21
242 <210> SEQ ID NO: 19
243 <211> LENGTH: 59
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
249     synthetic construct
251 <400> SEQUENCE: 19
252 tacacaaaca gggctgttct tcgagatgcg gtgtttcgtc ctttccacaa gatataaa      59
254 <210> SEQ ID NO: 20
255 <211> LENGTH: 48
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
261     synthetic construct

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263 <400> SEQUENCE: 20
264 cgaaatctag aaaaaagcat ctcgaagaac agccctgcta cacaaaca      48
266 <210> SEQ ID NO: 21
267 <211> LENGTH: 59
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
273     synthetic construct
275 <400> SEQUENCE: 21
276 tacacaaagc aatgtccggtt gcatgccacg gtgtttcgtc ctttccacaa gatatataa      59
278 <210> SEQ ID NO: 22
279 <211> LENGTH: 48
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
285     synthetic construct
287 <400> SEQUENCE: 22
288 cgaaatctag aaaaaagtgg catgcaacgg acattgccta cacaaagc      48
290 <210> SEQ ID NO: 23
291 <211> LENGTH: 59
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
297     synthetic construct
299 <400> SEQUENCE: 23
300 tacacaaagt tcagaggctg tgtcataacg gtgtttcgtc ctttccacaa gatatataa      59
302 <210> SEQ ID NO: 24
303 <211> LENGTH: 48
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
309     synthetic construct
311 <400> SEQUENCE: 24
312 cgaaatctag aaaaaagtta tgacacagcc tctgaacctt cacaaagt      48
314 <210> SEQ ID NO: 25
315 <211> LENGTH: 59
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
321     synthetic construct
323 <400> SEQUENCE: 25
324 tacacaaacc aaggcacttg ttggcagtcg gtgtttcgtc ctttccacaa gatatataa      59
326 <210> SEQ ID NO: 26
327 <211> LENGTH: 48

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**VERIFICATION SUMMARY**

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